SAMUELSON RANCH QUADRANGLE UNITED STATES DEPARTMENT OF THE INTERIOR MONTANA - POWDER RIVER CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) GEOLOGICAL SURVEY 4875 III NE (ELK RIDGE) 105°45′ 45°37′30″ 105°52′30″ 45°37′30″ R. 47 E. R. 48 E. 35 36 34 33 32 31 T. 2 S. T. 25. T. 3 S. T 3 S. 10 11 12 15 14 13 16 17 18 13 NOTE: Isopachs and structure contours cannot be drawn beyond those shown because of insufficient 22 21 23 30 19 24 28 27 26 32'30" 33 34 32 T. 3 S. T. 4 S. 105°45′ SCALE 1:24 000 Base map from U.S. Geological Survey, 1966 1 5 0 1 KILOMETER MONTANA UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET QUADRANGLE LOCATION

COAL RESOURCE OCCURRENCE MAP OF THE SAMUELSON RANCH QUADRANGLE,
POWDER RIVER COUNTY, MONTANA

COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
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PLATE 4 OF 25

OPEN-FILE REPORT

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This report has not been edited for conformity with
U.S. Geological Survey editorial standards or
stratigraphic nomenclature.

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EXPLANATION

ISOPACHS OF THE COAL BED—Showing thickness, in feet. Isopach interval 1 foot.

STRUCTURE CONTOURS—Drawn on the top of the coal bed. Dashed where projected beyond boundary of coal. Contour interval 20 feet (6.1 m). Datum is mean sea

4.2 3918

BOUNDARYOF COAL DEPOSIT—Drawn along the outcrop of coal bed and/or the contact between burned and unburned coal (dashed where inferred by present author beyond the limits of original data). Arrows point toward coal-bearing area. Numbers at triangle are coal bed thickness and altitude at the top of the coal bed, measured in feet.

To convert feet to meters, multiply feet by 0.3048.